

CLAIMS

What is claimed is:

- 1           1.    A message processing method for execution by a  
2   message processor, the method comprising the steps of:
- 3           providing in the message processor a conversation  
4           thread control part;
- 5           connecting the message processor to a network;
- 6           detecting a message packet containing a destination  
7           information and a conversation thread identifying  
8           information;
- 9           determining whether a conversation thread  
10          corresponding to the conversation thread identifying  
11          information contained in said message packet exists in  
12          the message processor;
- 13          generating a new conversation thread when it is  
14          determined that the corresponding conversation thread  
15          does not exist in the message processor; and
- 16          sending the message packet to a destination which  
17          corresponds to the destination information.
- 1           2.    A message processing method as set forth in claim  
2   1, wherein the message packet further contains a content  
3   information, and wherein the method further comprising,  
4   prior to the step of sending, a step of converting the  
5   message packet to a protocol which corresponds to the  
6   network to which the message processor is connected.

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1           3.    A message processing method for execution by a  
2 message processor, the method comprising the steps of:

3           connecting the message processor to a network;

4           providing, in the message processor, a conversation  
5 thread control part;

6           detecting a message packet containing a conversation  
7 thread identifying information;

8           determining whether a conversation thread  
9 corresponding to the conversation thread identifying  
10 information contained in the message packet exists in  
11 the message processor; and

12          generating a new conversation thread when it is  
13 determined that the corresponding conversation thread  
14 does not exist in the message processor.

1           4.    A message processing method as set forth in claim  
2 3, wherein the message packet further contains a  
3 destination information.

1           5.    A message processing method as set forth in claim  
2 3, wherein the message packet further contains a content  
3 information, and wherein the method further comprising a  
4 step of passing a control to the corresponding conversation  
5 thread when it is determined that the corresponding  
6 conversation thread exists in the message processor.

1           6.    A message processing method as set forth in claim  
2 5, wherein the method further comprising, after the step of  
3 passing, a step of analyzing the content of the content

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4 information.

1 7. A message processing method for execution by a  
2 message processor, the method comprising the steps of:

3 providing, in the message processor, a plurality of  
4 conversation threads and a conversation part object  
5 including a conversation thread control part that is  
6 capable of controlling the plurality of conversation  
7 threads;

8 halting the plurality of conversation threads;

9 sending the conversation part object through a network  
10 from the message processor to another place in another  
11 message processor; and

12 resuming the plurality of conversation threads at the  
13 another message processor.

1 8. A message processor which is connected to a  
2 network, said processor comprising:

3 an agent communication language manager for detecting  
4 a message packet which contains a conversation thread  
5 identifying information;

6 a first conversation thread control part for  
7 determining whether a conversation thread  
8 corresponding to said conversation thread identifying  
9 information contained in said message packet exists in  
10 said message processor; and

11 a second conversation thread control part for

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12 generating a new conversation thread when it is  
13 determined that said corresponding conversation thread  
14 does not exist in said message processor.

1 9. A message processor as set forth in claim 8,  
2 wherein said processor further comprises a protocol manager  
3 for receiving said message packet containing said  
4 conversation thread identifying information.

1 10. A message processor as set forth in claim 8,  
2 wherein said message packet further contains a destination  
3 information and a content information, and wherein said  
4 processor further comprising:

5 a plurality of conversation threads; and

6 a protocol manager for converting said message packet  
7 to a protocol which corresponds to a network to which  
8 said message processor is connected.

1 11. A message processor as set forth in claim 8,  
2 wherein said message packet further contains a content  
3 information, and wherein said second conversation thread  
4 control part further comprises a control part for passing  
5 a control to said corresponding conversation when it is  
6 determined that said corresponding conversation thread  
7 exists in said message processor.

1 12. A message processor as set forth in claim 11,  
2 wherein said processor further comprising:

3 a protocol manager for receiving said message packet  
4 containing said conversation thread identifying  
5 information and said content information; and

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6 wherein said first conversation thread control part is  
7 comprised of a first interpreter and said second  
8 conversation thread control part is comprised of a  
9 second interpreter.

1 13. A recording media which stores therein a message  
2 processing program for execution by a message processor  
3 which is connected to a network, said message processing  
4 program comprising:

5 a program code which instructs said message processor  
6 to detect a message packet containing a destination  
7 information and a conversation thread identifying  
8 information;

9 a program code which instructs said message processor  
10 to determine whether a conversation thread  
11 corresponding to the conversation thread identifying  
12 information contained in said message packet exists in  
13 said message processor;

14 a program code which instructs said message processor  
15 to generate a new conversation thread when it is  
16 determined that said corresponding conversation thread  
17 does not exist in said message processor; and

18 a program code which instructs said message processor  
19 to send said message packet to a destination which  
20 corresponds to said destination information.

1 14. A recording media as set forth in claim 13,  
2 wherein said message packet further contains a content  
3 information, and wherein said message processing program  
4 further comprises a program code which instructs said

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5 message processor to convert said message packet to a  
6 protocol which corresponds to the network to which said  
7 message processor is connected.

1 15. A media which stores therein a message processing  
2 program for execution by a message processor which is  
3 connected to a network, said message processing program  
4 comprising:

5 a program code which instructs said message processor  
6 to detect a message packet containing a conversation  
7 thread identifying information;

8 a program code which instructs said message processor  
9 to determine whether a conversation thread  
10 corresponding to the conversation thread identifying  
11 information contained in said message packet exists in  
12 said message processor; and

13 a program code which instructs said message processor  
14 to generate a new conversation thread when it is  
15 determined that said corresponding conversation thread  
16 does not exist in said message processor.

1 16. A media as set forth in claim 15, wherein said  
2 message packet further contains a content information, and  
3 wherein said message processing program further comprising  
4 a program code which instructs said message processor to  
5 pass a control to said corresponding conversation thread  
6 when it is determined that said corresponding conversation  
7 thread exists in said message processor.

1 17. A media as set forth in claim 16, wherein said  
2 message processing program further comprising a program

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3 code which instructs said message processor to analyze the  
4 content of said content information.

1 18. A media which stores therein a message processing  
2 program for execution by a message processor which is  
3 capable of sending a message to another message processor  
4 through a network, said message processing program  
5 comprising:

6 a program code which instructs said message processor  
7 to halt a plurality of conversation threads;

8  
9 a program code which instructs said message processor  
10 to send a conversation part object which includes said  
11 plurality of conversation threads to another place  
12 through said network; and

13 a program code which instructs said message processor  
14 to resume said plurality of conversation threads.

1 19. A media which stores therein a plurality of  
2 objects to be loaded to a message processor which is  
3 connected to a network, said message processing program  
4 comprising:

5 an agent communication language manager for detecting  
6 a message packet which contains a conversation thread  
7 identifying information;

8 a first conversation thread control part for  
9 determining whether a conversation thread  
10 corresponding to said conversation thread identifying  
11 information contained in said message packet exists in  
12 said message processor; and

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13 a second conversation thread control part for  
14 generating a new conversation thread when it is  
15 determined that said corresponding conversation thread  
16 does not exist in said message processor.

1           20. A media as set forth in claim 19, wherein said  
2   message packet further contains a destination information  
3   and a content information, and wherein said message  
4   processing program further comprising:

5 a plurality of conversation threads; and

6        a protocol manager for converting said message packet  
7        to a protocol which corresponds to a network to which  
8        said message processor is connected.

21. A media as set forth in claim 19, wherein said message processing program further comprising a protocol manager for receiving said message packet containing said conversation thread identifying information.